USG 50/20/20W Sales Kits

Why do more than 400,000 small and medium-sized businesses (SMB) choose ZyWALL in Europe?

ZyWALL understand SMBs' need

"I was impressed with the ZyWALL's high performance while handling anti-virus, intrusion detection and prevention, content filtering, and other services. ZyWALL met and exceeded our expectations in most cases…

Sjors Brul, Managing Director

ZyXEL's UTM has given us an excellent solution to all our problems. … we can now be confident that our customer database is safe and our employees are using their work time to their full potential, giving us peace of mind and putting us ahead of our competitors.

Russell Carleton, IT Director

We tried solutions from various providers but only ZyXEL demonstrated the equipment, its configuration, and made the most advantageous offer…

Bedřich Beck, Regional Datacenter Architect

Gigabit fiber era - opportunity

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ZyXEL Gigabit fiber era- threat

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Can Social Networking Be Secure at Work?

A new report revealed that hackers are increasingly targeting social networking services like Twitter and Facebook. Many employees who log on during the day at work might be causing information security risks at their companies. But banning the technologies would be short-sighted.

By C.G. Lynch on Tue, May 05, 2009 | 3 Comments

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CIO — As more workers spend a greater part of their days on social networks like Facebook and Twitter, hackers have turned their energies toward spreading their malware across those services, harming workstations and company networks.

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- Four Tips for Getting Good ROI from Web 2.0 Projects

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- WorkLight: If Your Enterprise Can't Beat Consumer Apps, Why Fight Them?
- Banning Social Networks a Losing Battle
- Four Tips for Getting Good ROI from Web 2.0 Projects

That's the contention of a recent report measuring Web 2.0-targeted hacks that occurred in the first quarter of this year and was conducted by the Secure Enterprise 2.0 Forum, an industry group aimed at enabling the safe use of social media in the workplace.

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15 July 2010 Last updated at 06:12 GMT

Wi-fi crime warning to businesses in Wales

Many Welsh firms do not realise they can be liable for e-crime committed over wi-fi networks they provide, a web safety group has warned.

Hospitality sector firms can be liable for cyber crime on their wi-fi network

Hospitality firms in particular are unaware of their responsibilities, says e-Crime Wales.

It said a survey it carried out found almost one in four firms in Wales (23%) have been a victim of this kind of crime in the last year.

Figures out in May showed e-crime was costing around £373m a year.

The warning came ahead of a summit at Newport's Celtic Manor resort.

Advice is being offered on how to avoid becoming a victim of cyber crime.

What are SMBs' problem in gigabit fiber era

High performance and multi-layer threat protection to prevent from variously networking attack

24 x 7 x 365 power consumption is critical

SMBs must have more flexibility and productivity than large-sized business

How do SMB deal with continuous and evolving network attack without IT staff

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What makes new generation SMB networks for business growth?

Robust security with high performance

- Need real-time inspection to prevent the network from threats without sacrificing performance

Green your business

- Decrease power consumption
- Use eco-friendly products to protect environments

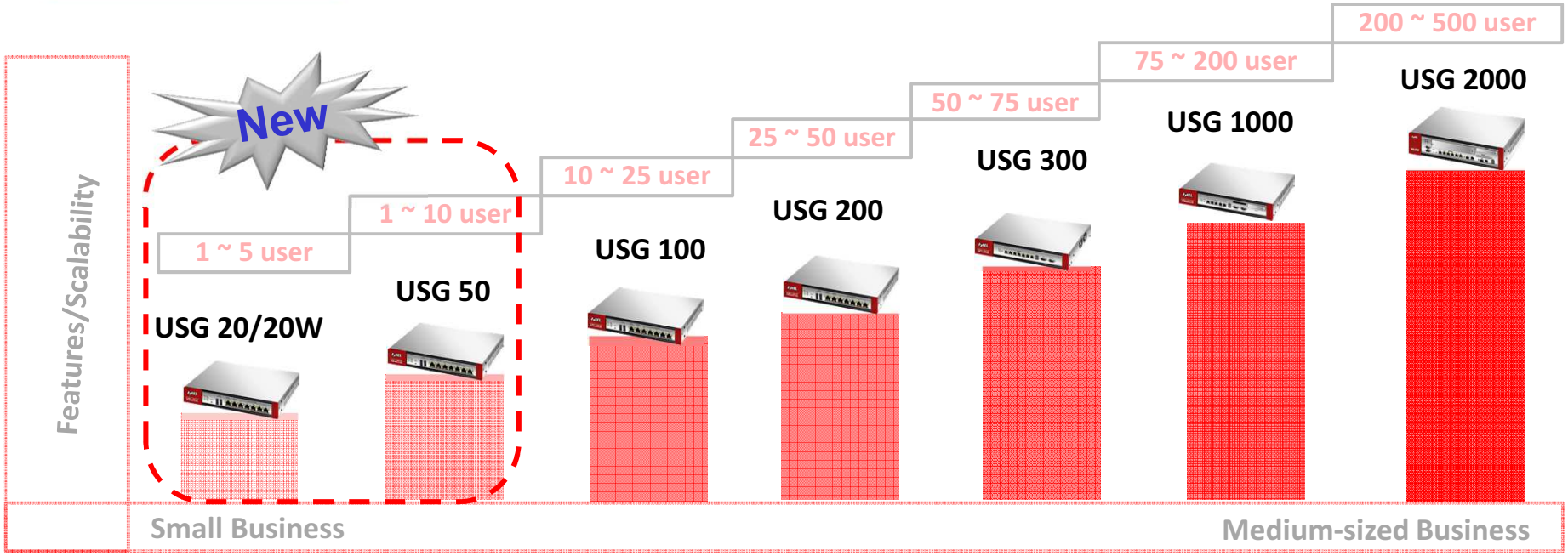
Increase business flexibility and productivity

- Secure remote working to increasing business flexibility
- Don’t let social networking applications eat productivity

Up-to-date protection

- Always get up-to-date protection to prevent damage from network attacks
- Don’t spend repeated expense

ZyXEL ESBU Security – Product Portfolio



	Remote office/Small office		Small and Medium-sized Businesses				
Model	**USG 20/20W**	**USG 50**	**USG 100**	**USG 200**	**USG 300**	**USG 1000**	**USG 2000**
Features Highlight	1 WAN, 5 Giga ports, 1 USB, 802.11b/g/n (20W only) FW 100Mbps, IPSec 30Mbps	2 WANs, 6 Giga ports, 2 USB FW 100Mbps, IPSec 50Mbps, UTM 15Mbps	2 WANs, 7 Giga ports, 2 USB FW 150Mbps, IPSec 60Mbps, UTM 30Mbps	3 WANs, 7 Giga ports, 2 USB FW 200Mbps, IPSec 70Mbps, UTM 40Mbps	M WANs, 7 Giga ports, 2 USB FW 250Mbps, IPSec 80Mbps, UTM 55Mbps	M WANs, 5 Giga ports, 2 USB, FW 350Mbps, IPSec 120Mbps, UTM 85Mbps	M WANs, 8 Giga ports, 2 USB FW 1Gbps, IPSec 400Mbps, UTM 400Mbps
Licence	Kaspersky & ZyXEL Anti-Virus, IDP, Content Filter, SSLVPN						
Accessories	ZyWALL OTP v2						
Software	Vantage Report, Vantage CNM , ZyWALL IPSec VPN Client						

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Big Security for Small Business

Today no business can afford to have downtime or suffer data loss. This is true not only for large companies but also for SB and SMB businesses.

Key Points:

SMBs need an attractive entry-level unified security gateway, can satisfy small businesses security needs with enterprise-class security features to protect against today`s more advanced network threats.

ZyWALL USG 50/20/20W

What can ZyWALL USG do for you

Greater Performance Protection

World's 1st Green Firewall

Keep Flexibility and Productivity High

Lifetime Care

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What can ZyWALL USG do for you

	Advantage	Benefits
Greater Performance Protection	▪ **Real-time inspection** to prevent network from threats without sacrificing performance	▪ Improve operational productivity and efficiency
World's 1st Green Firewall	▪ By detecting **temperature**, **link status** and **traffic** with **dynamic adjustment of power consumption**, ZyWALL USG 50, 20, and 20W help business up to 80% power consumption reduction.	▪ Cost saving ▪ Environment protection
Keep Flexibility and Productivity High	▪ **Secure connection** for teleworker ▪ **Granular control** over social networking applications(Facebook, ,Twitter, Youtube)	▪ Increase competitive advantage
Lifetime Care	▪ Business always have **up-to-date protection** before product's end of life	▪ saving your firmware upgrade cost

Unified security

Greater Performance Protection

- Firewall
- VPN
- Anti-virus
- IDP
- Content Filter
- Anti-spam
- Application patrol

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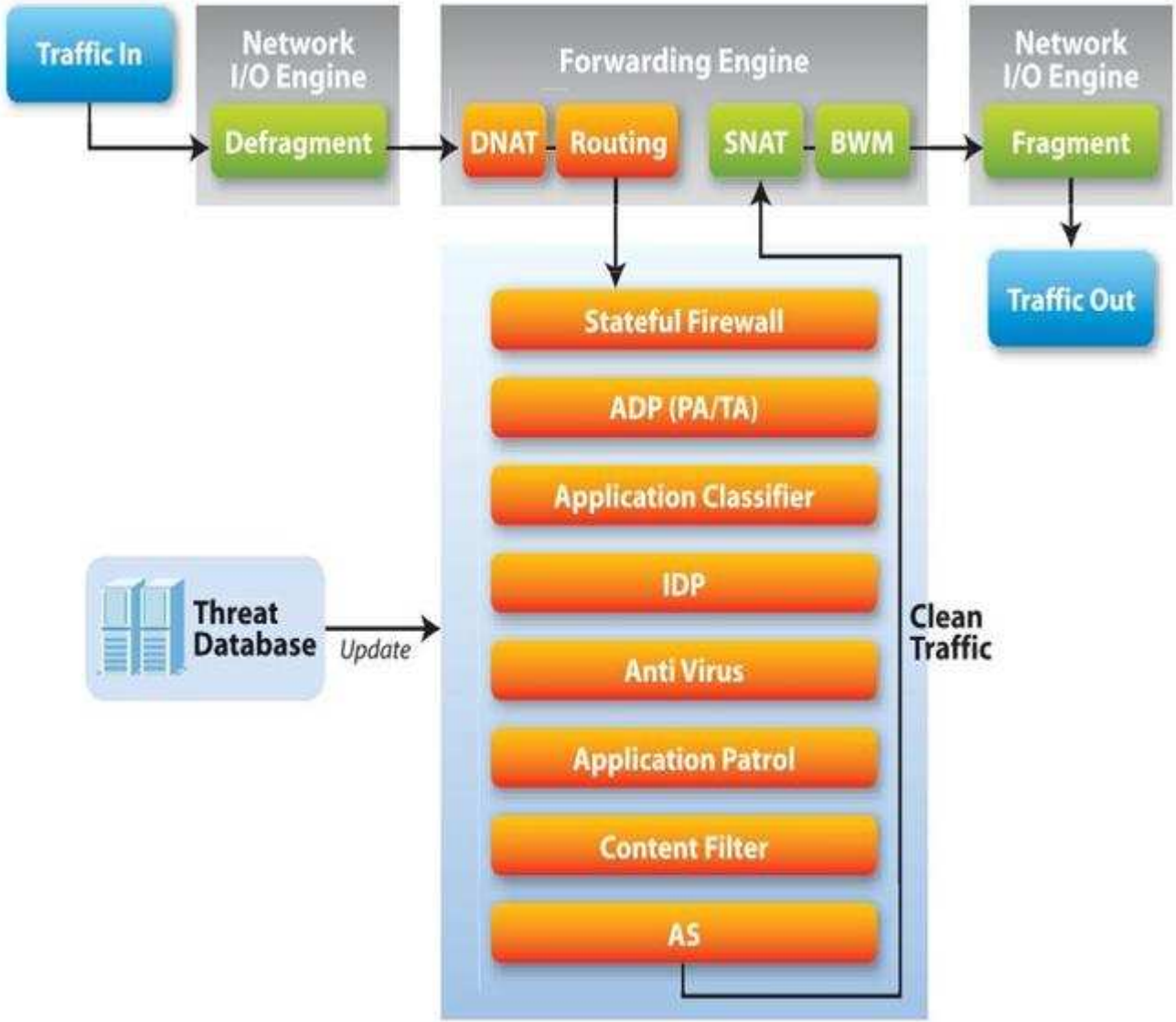
Greater Performance Protection

Greater Performance Protection



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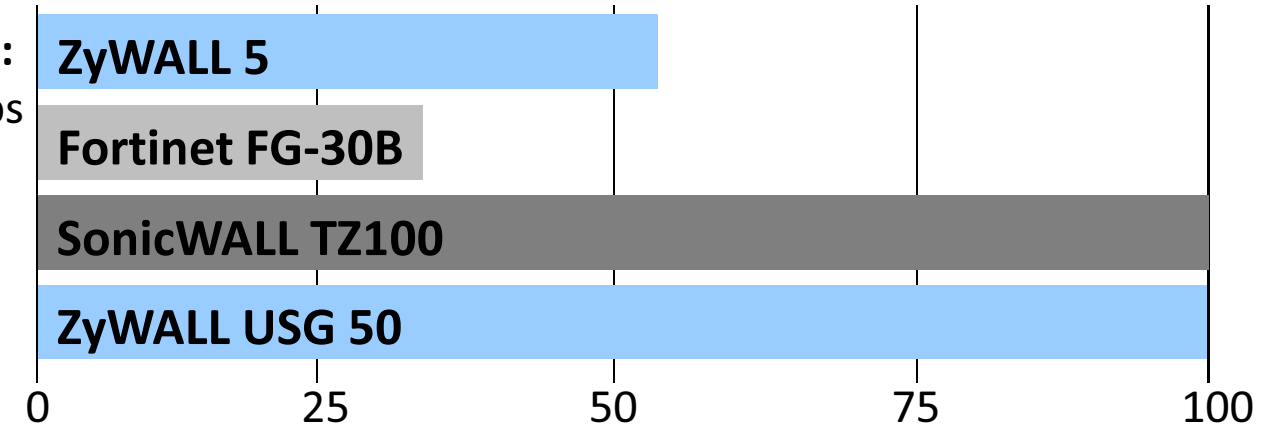
Greater Performance Protection

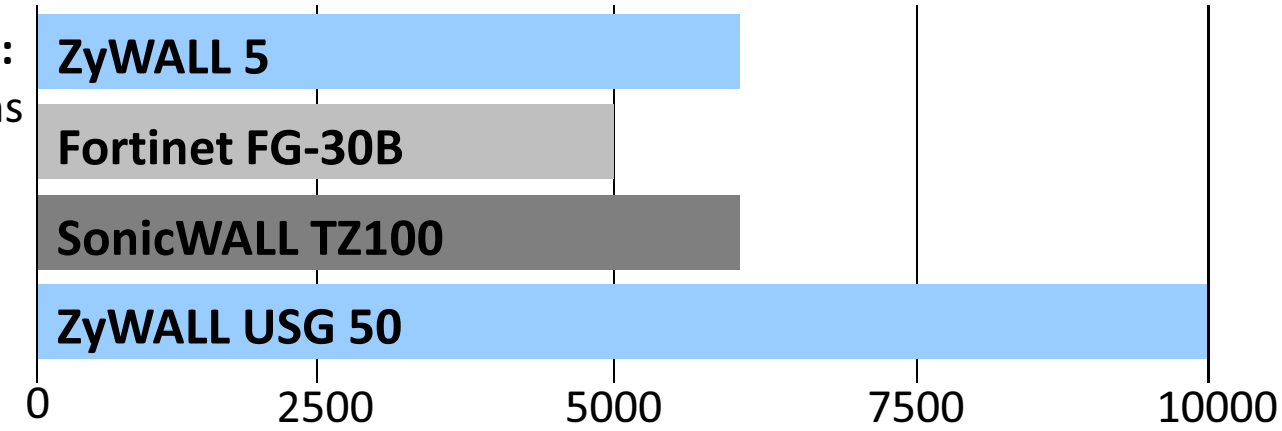
Greater Performance Protection

Integrated High Performance Security Hybrid Core Processor architecture for real-time inspection against network threats.

Competitive Comparison:
Firewall Throughput in Mbps



Competitive Comparison:
Sessions



Testing Methodologies: Maximum performance based on RFC 2544 (for firewall). Actual performance may vary depending on network conditions and activated services.

World1st Green Firewall

World's 1st Green Firewall

Up to 80% power consumption reduction with ZyXEL IntelliEnergy Green technology

Power Saving by Traffic

Power Saving by Link Status

Power Saving by Smart Fan

Granular control over social networkin apps.

Keep Flexibility and Productivity High

Two options for Granular control

Block Completely

Block by Applications

Game on Facebook

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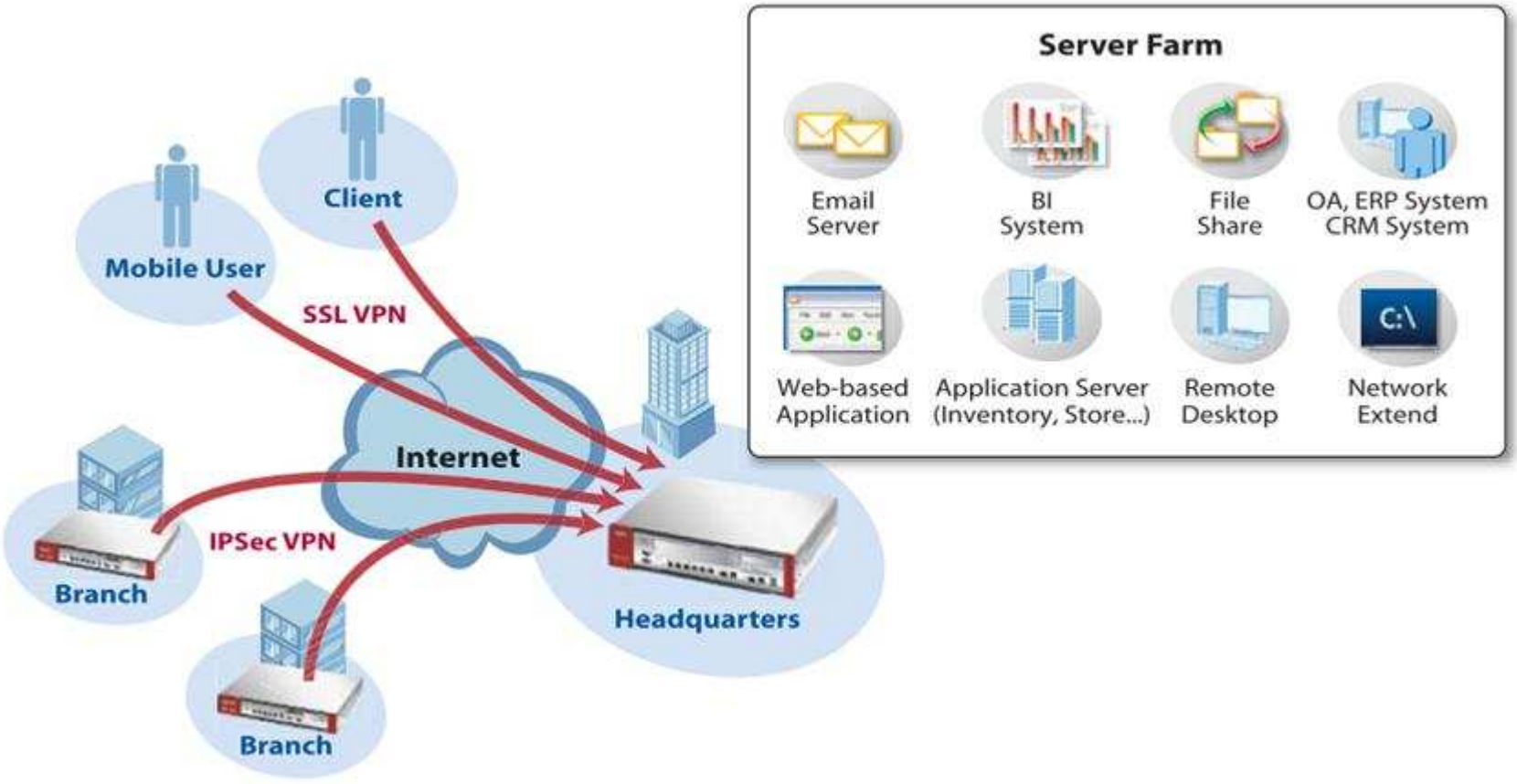
Robust Hybrid VPN (IPSec and SSL)

Keep Flexibility and Productivity High



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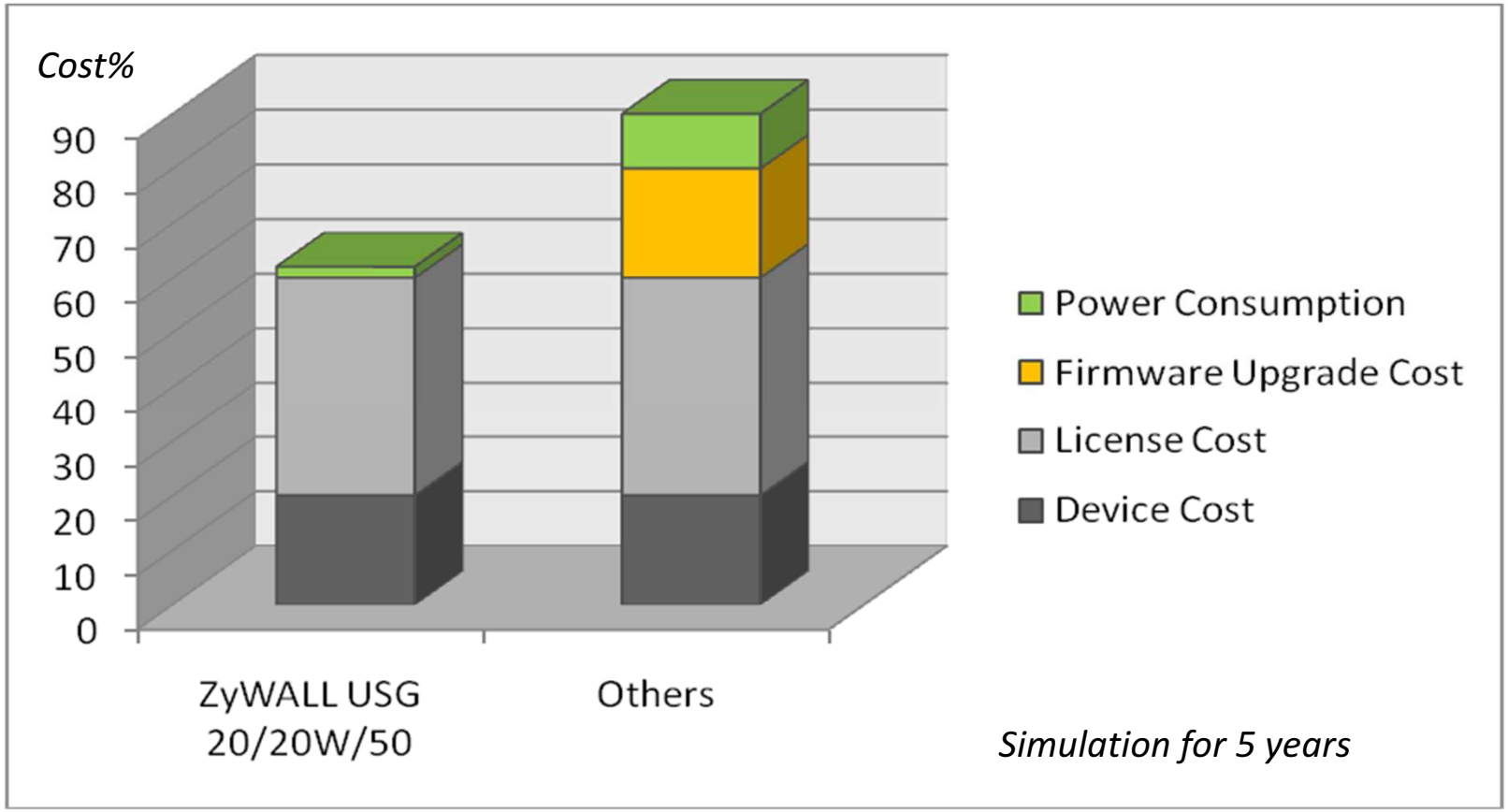
Lifetime Care

Lifetime Care

Up-to-date protection while saving your firmware upgrade cost before product end of life.



ZyXEL Lifetime Care is available on **ZyWALL USG 20/20W/50**. Customers can download up-to-date firmware on ZyXEL website without any additional cost before product end of life.

Summary

Greater Performance Protection

World's 1st Green Firewall

Keep Flexibility and Productivity High

Lifetime Care

Big Security for Small Business

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Appendix

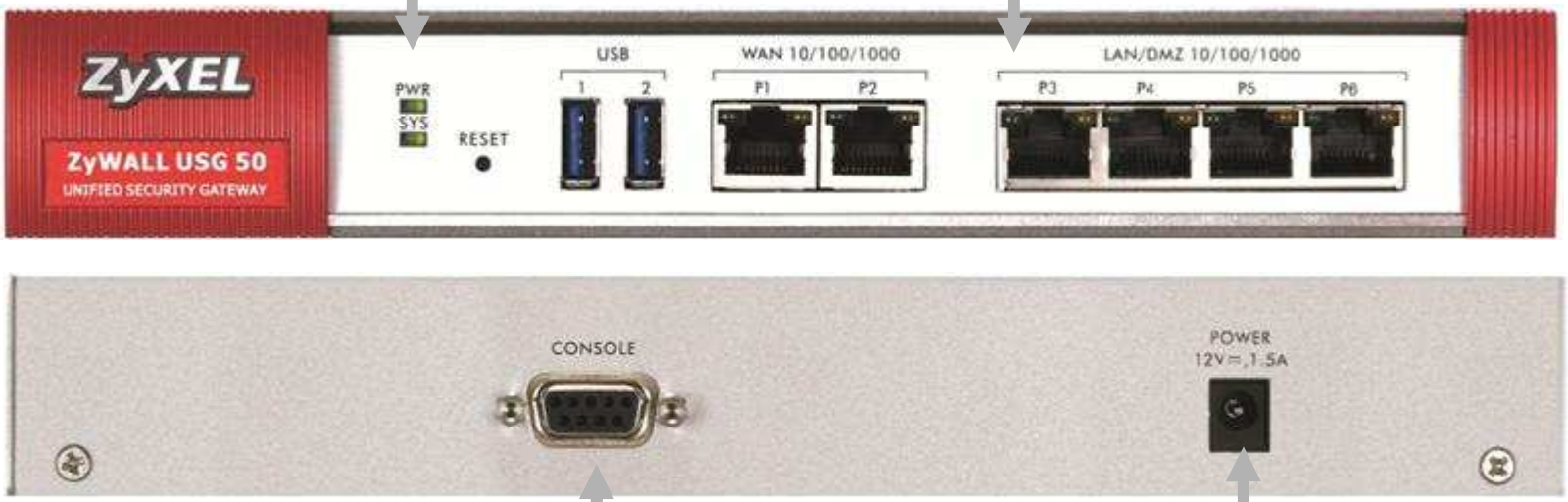
Product Image – ZyWALL USG 50

Selling Point:

- High performance entry-level UTM appliance
- Increasing business productivity (IM/P2P Management, Content Filter)
- Support 3G connection as backup WAN (USB)

LEDs:
PWR
SYS

Interface:
(2) WAN1, WAN2: 10/100/1000
(4) LAN/DMZ: 10/100/1000
(2) USB: 2.0, for 3G/3.5G



Interface:
Console: DB9

Power:
12VDC
100~240VAC

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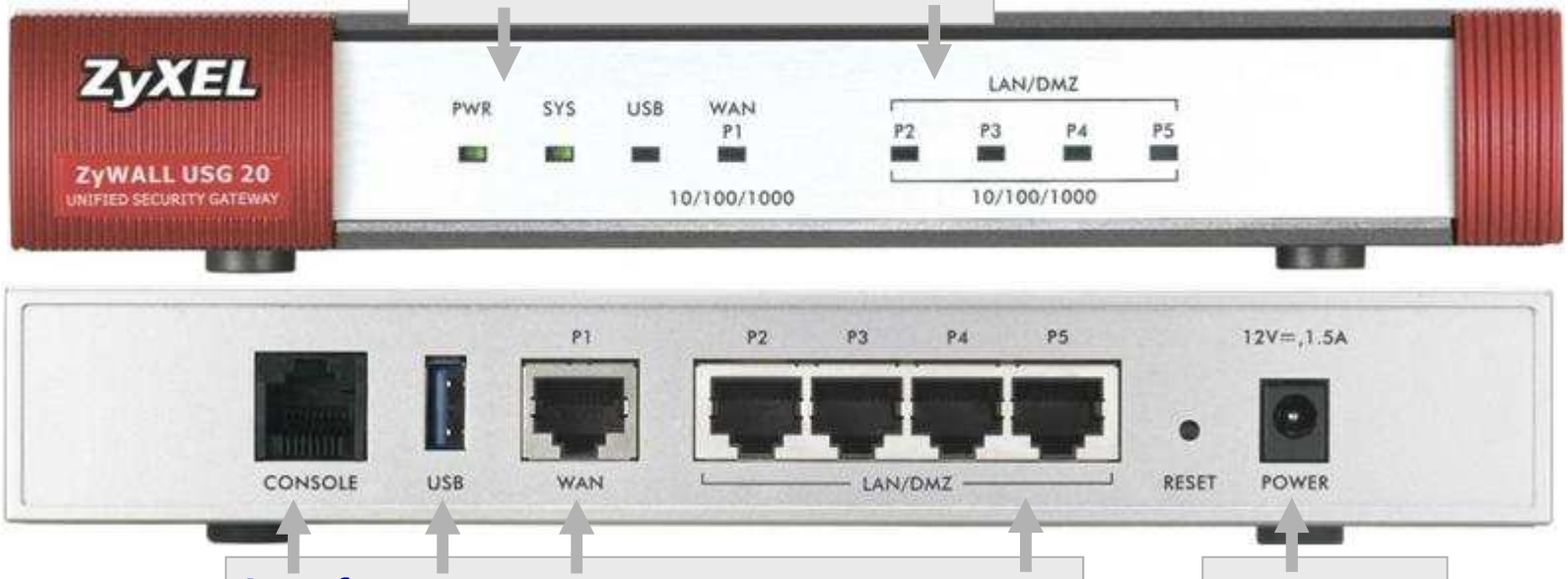
Product Image – ZyWALL USG 20

Selling Point:

- Double Performance/Capacity than ZyWALL 2+
- Hybrid VPN solution Appliance (IPSec + SSL)
- Support 3G connection as backup WAN (USB)

LEDs:
PWR, SYS, USB, WAN, LAN/DMZ



Interface:
(1) WAN1:10/100/1000
(4) LAN/DMZ: 10/100/1000, Configurable
(1) USB: 2.0, for 3G/3.5G
(1) CONSOLE: RJ45 connector

Power:
12VDC
100~240VAC

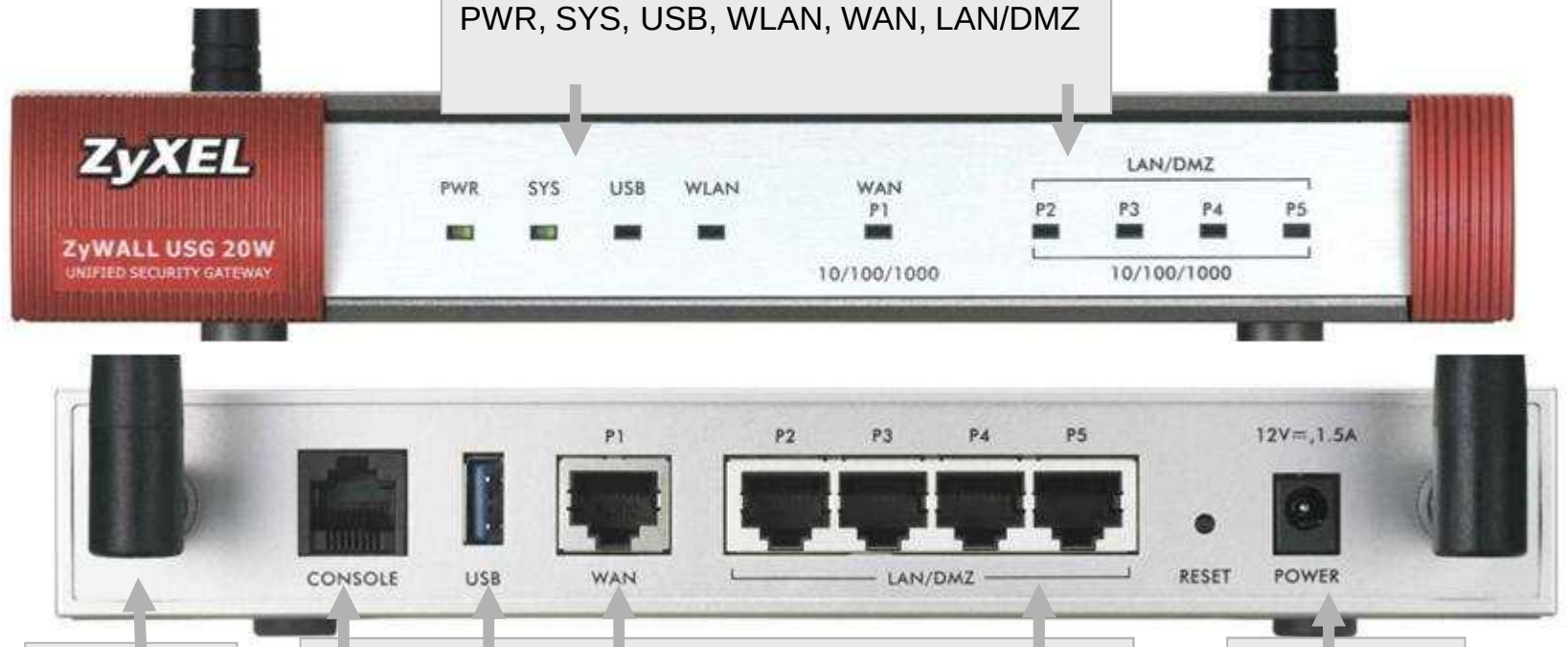
ations Corp ved.

Product Image – ZyWALL USG 20W

Selling Point:

- Double Performance/Capacity than ZyWALL 2WG
- Hybrid VPN solution Appliance (IPSec + SSL)
- Support 3G connection as backup WAN (USB)
- 802.11b/g/n

LEDs:
PWR, SYS, USB, WLAN, WAN, LAN/DMZ



Antenna:
Numbers: 2

Interface:
(1) WAN1:10/100/1000
(4) LAN/DMZ: 10/100/1000, Configurable
(1) USB: 2.0, for 3G/3.5G
(1) CONSOLE: RJ45 connector

Power:
12VDC
100~240VAC

ons Corp ved.

USG 20/50 Target Customer

- **Small Business or Branch Office**
  - 1-5 or 1-10 computer users
- **User need Unified Security Gateway to protect networks**
  - SPI Firewall,
  - UTM (Anti-virus and IDP; USG 50 only)
- **Users need intensive remote access**
  - Hybrid VPN (IPSec VPN; SSL VPN)
- **Users want to increase business productivity**
  - IM/P2P Management (USG 50 only)
  - Content Filtering
- **Users want to increase network efficiency**
  - Bandwidth Management
  - Multi-ISP Links
- **Users want non-stop Internet access**
  - Multiple WAN and 3G as backup

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USG 20/20W/50 with ZLD 2.21 - Features Highlight

Main Features	ZyWALL USG 20/20W	ZyWALL USG 50
Firewall & NAT	✓	✓
Session limit	✓	✓
VLAN support	✓	✓
IPSec /SSL / L2TP VPN	✓ / ✓ / ✓*1	✓ / ✓ / ✓*1
Anti-Virus (KAV/ZAV)	-	✓*2
Anti-Spam (RBL/DNSBL)	✓	✓
IDP/ADP	- / ✓	✓ / ✓
IM/P2P Management Up-to-Date*3	-	✓
Content Filter	✓	✓
Bandwidth Management	✓	✓
3G USB dongle (as a WAN)	✓	✓
802.11n Wireless	✓ (20W only)	-
M-WAN LB	✓ (WAN+3G)	✓(WAN+3G)

Note: Please refer to the "Appendix" in this file for more detailed information.

**1: L2TP will be support after FCS.*

**2: ZAV will be support after FCS.*

**3: Requiring valid IDP subscription*

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Performance & Capacity

Performance / Capacity	ZyWALL USG 20/20W	ZyWALL USG 50
Interface	GbE * 5 (10/100/1000, Copper) WAN * 1, LAN/DMZ * 4	GbE * 6 (10/100/1000, Copper) WAN * 2, LAN/DMZ * 4
Hardware Encryption	DES/3DES/AES	DES/3DES/AES
SPI Firewall Throughput	100Mbps	100Mbps
IPSec VPN Throughput	30Mbps	50Mbps
UTM (AV+IDP) Throughput	N/A	15Mbps
Max. Concurrent Sessions (NAT)	6,000	10,000
New Session Rate	1,000 (sessions/sec)	1,000 (sessions/sec)
Max. IPSec VPN Tunnels	2	5
Max. SSL VPN Tunnels	1	5
Power consumption	15 Watt max.	17 Watt max.

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Availability & SKU

Type of Service/Feature		USG 50	USG 20/20W
Kaspersky Anti-Virus	*1-YR*	✓	N/A
	2-YR	✓	N/A
ZyXEL Anti-Virus	*1-YR*	✓*	N/A
	2-YR	✓*	N/A
IDP (IM/P2P MGMT)	*1-YR*	✓	N/A
	2-YR	✓	N/A
Content Filter (powered by BlueCoat)	*1-YR*	✓	✓
	2-YR	✓	✓
Anti-Spam (RBL/DNSBL)		included	included
IPSec VPN (Client software)	*(by # of clients)*	✓	✓
SSLVPN		2 included	1 included
		2 → 5	
ZyWALL OTP v2 (powered by SafeNet)	*(by # of tokens)*	✓	✓

*: Available in Q1 2011

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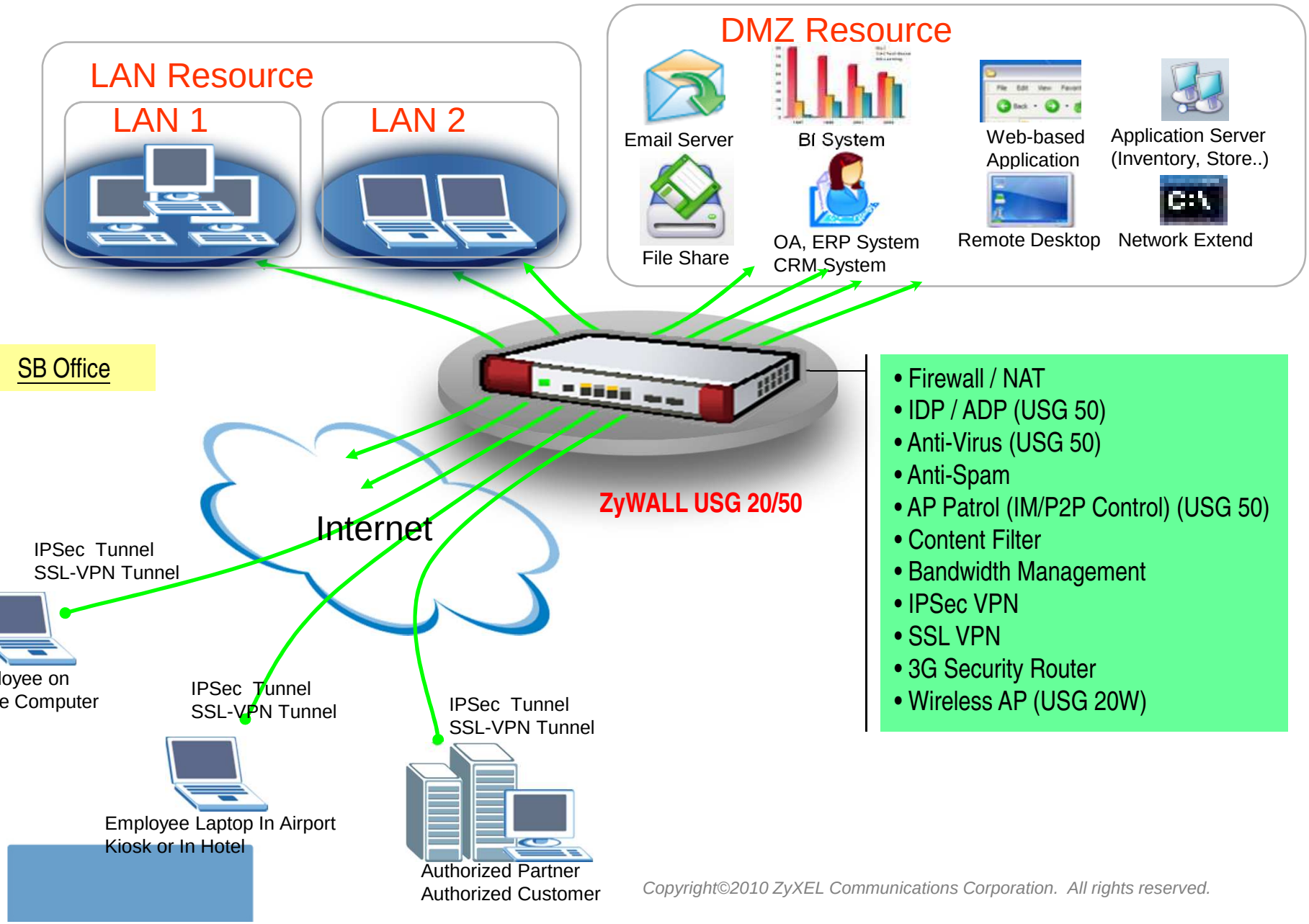
Application Diagrams - 1



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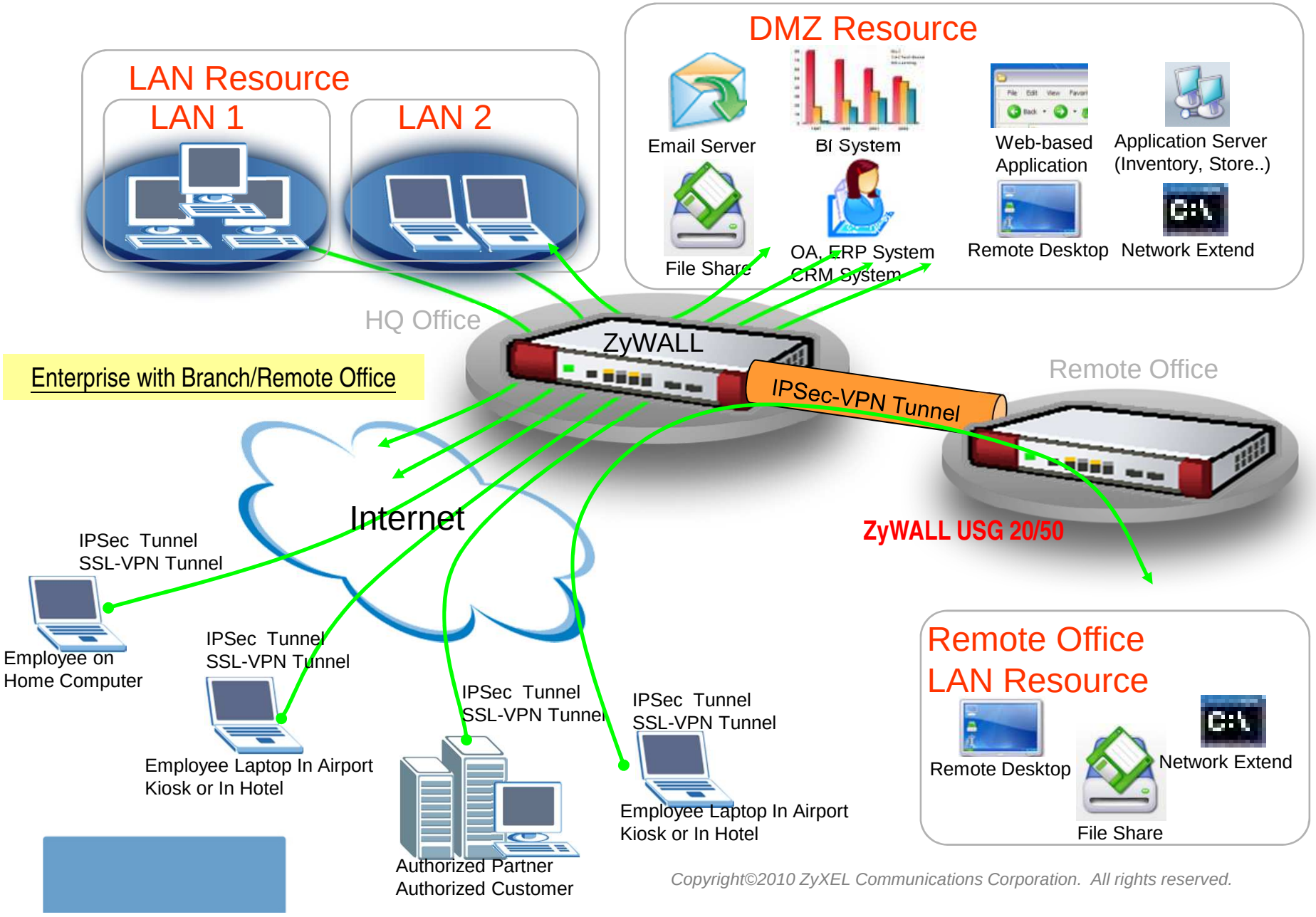
Application Diagrams - 2



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USG 50 Internal Comparison

	ZyWALL 5	USG 50	USG 100
Interface	WAN*1 (FE) LAN/DMZ*4 (FE)	**WAN*2 (GbE)** **LAN/DMZ*4 (GbE)**	WAN*2 (GbE) LAN/DMZ*5 (GbE)
USB Ports	N/A	**2, (for 3G)**	2, (for 3G)
PC Card Slot	1	**N/A**	1, (for 3G/Wireless)
Green Ethernet	N/A	**Yes**	N/A
(SPI) Firewall	Yes, (50Mbps)	**Yes, (100Mbps)**	Yes, (100Mbps)
IPSec VPN	Yes, 10 Tunnels (25Mbps)	**Yes, up to 5 Tunnels (50Mbps)**	Yes, up to 50 Tunnels (60Mbps)
SSL VPN	N/A	**Yes, up to 5 Tunnels**	Yes, up to 5 Tunnels
AV	N/A	**Yes, (KAV/ZAV)***	Yes, (KAV/ZAV)
IDP	N/A	**Yes**	Yes
AV+IDP Throughput	N/A	**15Mbps**	35Mbps
IM/P2P Management	N/A	**Yes**	Yes
CF (& ZSB)	Yes, (without ZSB)	**Yes, (with ZSB)**	Yes, (with ZSB)
AS	Yes	**Yes**	Yes
BWM	Yes	**Yes**	Yes
WAN Load Balance	N/A	**Yes**	Yes

*: Available in Q1 2011

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USG 50 External Comparison

Comparison Matrix	FG-30B	TZ100	ZyWALL USG 50
Firewall* (Mbps)	30	100	100
VPN* (Mbps)	5	75	50
Concurrent Sessions	5,000	6,000	10,000
New session rate	1,000	1,000	1,000
Max. # of VPN Tunnels	5	5	5
SSL VPN (Incl./Max.)	–	✓ (1/5)	✓ (2/5)
Anti-Virus / IDP	✓ / ✓	✓ / ✓	✓ / ✓
IM/P2P Management	✓	✓	✓
Content Filter	✓	✓	✓
Anti-SPAM	✓	✓	✓
BWM	–	✓	✓
M-WAN LB	–	✓	✓
Ethernet Interface	(4) 10/100 (1*WAN) (3*LAN)	(5) 10/100	(6) 10/100/1000 (2*WAN) (4*LAN/DMZ)
USB Interface	1	–	2
Free F/W Upgrade	90 days	90 days	✓

Note:

❶: *Information is not available at the time of writing.*

** Performance/feature listed above are collected from vendor's public collaterals thus may not indicate real-world performance.*

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USG 20/20W Internal Comparison

	ZW 2+	USG 20	ZW 2WG	USG 20W
Interface	WAN*1 (FE) LAN/DMZ*4 (FE)	**WAN*1 (GbE)** **LAN/DMZ*4 (GbE)**	WAN*1 (FE) LAN/DMZ*4 (FE)	**WAN*1 (GbE)** **LAN/DMZ*4 (GbE)**
USB Ports	N/A	**1, (for 3G)**	N/A	**1, (for 3G)**
PC Card Slot	1	**N/A**	1, for 3G	**N/A**
Wireless	N/A	**N/A**	Yes, 802.11 a/b/g	**Yes, 802.11 b/g/n**
Green Ethernet	N/A	**Yes**	N/A	**Yes**
(SPI) Firewall	Yes, (70Mbps)	**Yes, (100Mbps)**	Yes,(50Mbps)	**Yes, (100Mbps)**
IPSec VPN	Yes, 5 Tunnels (24Mbps)	**Yes, up to 2 Tunnels** **(30Mbps)**	Yes, 5 Tunnels (24Mbps)	**Yes, up to 2 Tunnels** **(30Mbps)**
SSL VPN	N/A	**Yes, up to 1 Tunnels**	N/A	**Yes, up to 1 Tunnels**
CF (& ZSB)	Yes, (without ZSB)	**Yes, (with ZSB)**	Yes, (without ZSB)	**Yes, (with ZSB)**
AS	N/A	**Yes**	N/A	**Yes**
BWM	Yes	**Yes**	Yes	**Yes**
WAN Load Balance	N/A	**Yes (Ethernet+3G)**	N/A	**Yes (Ethernet+3G)**

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